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PUBLIC UTILITY COMMISSION  
FILING CLERK

JOINT APPLICATION OF ONCOR §  
ELECTRIC DELIVERY COMPANY LLC, §  
AEP TEXAS INC., AND LCRA §  
TRANSMISSION SERVICES §  
CORPORATION TO AMEND THEIR §  
CERTIFICATES OF CONVENIENCE §  
AND NECESSITY FOR 345-KV §  
TRANSMISSION LINES IN PECOS, §  
REEVES, AND WARD COUNTIES, §  
TEXAS (SAND LAKE TO SOLSTICE §  
AND BAKERSFIELD TO SOLSTICE) §

BEFORE THE STATE OFFICE

OF


ADMINISTRATIVE HEARINGS

**LCRA TRANSMISSION SERVICES CORPORATION AND AEP TEXAS, INC'S  
RESPONSE TO COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

COMES NOW LCRA Transmission Services Corporation (LCRA TSC) and AEP Texas, Inc. (AEP Texas) and files this Response to the Public Utility Commission of Texas (Commission) Staff's Second Request for Information (RFI). This Response is timely filed. LCRA TSC and AEP Texas agrees and stipulates that all parties may treat these responses as if the answers were filed under oath.

Respectfully submitted,

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**ATTORNEYS FOR AEP TEXAS, INC.**

**CERTIFICATE OF SERVICE**

I certify that a copy of this document was served on all parties of record on this date, January 22, 2019, in accordance with 16 TAC § 22.74.

Kirk D. Rasmussen / JR (with permission)  
Kirk D. Rasmussen

**SOAH DOCKET NO. 473-19-1265  
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<b>JOINT APPLICATION OF ONCOR ELECTRIC DELIVERY COMPANY LLC, AEP TEXAS INC., AND LCRA TRANSMISSION SERVICES CORPORATION TO AMEND THEIR CERTIFICATES OF CONVENIENCE AND NECESSITY FOR 345-KV TRANSMISSION LINES IN PECOS, REEVES, AND WARD COUNTIES, TEXAS (SAND LAKE TO SOLSTICE AND BAKERSFIELD TO SOLSTICE)</b>	<b>§ § § § § § § § § §</b>	<b>BEFORE THE STATE OFFICE  OF  ADMINISTRATIVE HEARINGS</b>
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**LCRA TRANSMISSION SERVICES CORPORATION AND AEP TEXAS, INC'S  
RESPONSE TO COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

**Question No. 2-1:**

Please confirm that the Solstice Substation upgrade costs associated with the Oncor/AEP Sand Lake to Solstice project do not include any portion of the Solstice Substation upgrade costs associated with the LCRA/AEP Bakersfield to Solstice project.

**Response No. 2-1:**

Confirmed. The costs included at the AEP Texas Solstice Switch Station associated with the Oncor/AEP Texas Sand Lake to Solstice project termination of the two 345-kV circuits from Sand Lake and the related second 50 Mvar reactor are not included in the AEP Texas Solstice Switch Station costs associated with the LCRA TSC/AEP Texas Bakersfield to Solstice project.

Prepared By: Randal E Roper  
Sponsored By: Brent Harris

Title: Regulatory Case Manager, AEP Texas  
Title: Transmission Project Manager Prin., AEPSC

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<b>CORPORATION TO AMEND THEIR</b>	<b>§</b>	
<b>CERTIFICATES OF CONVENIENCE</b>	<b>§</b>	<b>OF</b>
<b>AND NECESSITY FOR 345-KV</b>	<b>§</b>	
<b>TRANSMISSION LINES IN PECOS,</b>	<b>§</b>	<b>ADMINISTRATIVE HEARINGS</b>
<b>REEVES, AND WARD COUNTIES,</b>	<b>§</b>	
<b>TEXAS (SAND LAKE TO SOLSTICE</b>	<b>§</b>	
<b>AND BAKERSFIELD TO SOLSTICE)</b>	<b>§</b>	

**LCRA TRANSMISSION SERVICES CORPORATION AND AEP TEXAS, INC.'S  
RESPONSE TO COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

**Question No. 2-2:**

Is any portion of the \$10,111,000 listed for the Estimated AEP Texas Substation Facilities Costs in Attachment 3 of the application for the Sand Lake to Solstice project included in the \$38,457,000 listed for the Estimated Total Solstice Substation Cost in Attachment 3 of the application for the Bakersfield to Solstice project? Please generally describe the upgrades being made for each portion.

**Response No. 2-2:**

No. The \$10,111,000 included in Attachment 3 for the AEP Texas Solstice Switch Station work associated with the Oncor/AEP Texas Sand Lake to Solstice project is not included in the \$38,457,000 in Attachment 3 for the AEP Texas Solstice Switch Station costs associated with the LCRA TSC/AEP Texas Bakersfield to Solstice project.

Generally, the AEP Texas Solstice Switch Station work included in the Oncor/AEP Texas Sand Lake to Solstice project application includes all the necessary station work (bus expansion, cable trays, relay panels, etc.) and equipment for the termination and protection of the two 345-kV transmission line circuits between Sand Lake and Solstice and the addition of a second 50 Mvar reactor including termination and protection equipment for voltage control. Generally, the AEP Texas Solstice Switch Station work included in the LCRA TSC/AEP Texas Bakersfield to Solstice project application includes all necessary station work and equipment for the termination and protection of the two 345-kV transmission line circuits between Bakersfield and Solstice, a 50 Mvar reactor and termination and protection equipment for voltage control, two 600 MVA 345/138-kV autotransformers including all termination and protection equipment, the station work and equipment for the termination and protection equipment included for the interconnection to the existing 138-kV low side station, and all right-of-way and land acquisition costs for the 345-kV Solstice station addition.

Prepared By: Randal E Roper  
Sponsored By: Brent Harris

Title: Regulatory Case Manager, AEP Texas  
Title: Transmission Project Manager Prin., AEPSC

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**LCRA TRANSMISSION SERVICES CORPORATION AND AEP TEXAS, INC'S  
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**Question No. 2-3:**

Are all of the costs associated with Materials and Equipment, ROW and land acquisition, and Engineering and Design incorporated in the cost estimate included in the application for the Bakersfield to Solstice project, or are some these cost included in the application for the Sand Lake to Solstice project as well?

**Response No. 2-3:**

The ROW and Land Acquisition costs for the Solstice 345-kV station expansion were all included in the LCRA TSC/AEP Texas Bakersfield to Solstice project application. The \$10,111,000 estimated cost in the Oncor/AEP Texas Sand Lake to Solstice project application includes the Materials and Equipment costs, Engineering and Design costs, and Construction costs associated with the work as described in the response to Staff 2-2. The breakouts for the \$10,111,000 estimated cost are as follows:

Material and Equipment - \$6,600,000

Engineering and Design - \$781,000

Construction of Facilities - \$2,730,000

Prepared By: Randal E Roper  
Sponsored By: Brent Harris

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**LCRA TRANSMISSION SERVICES CORPORATION AND AEP TEXAS, INC'S  
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**Question No. 2-4:**

Considering *both* the Sand Lake to Solstice and Bakersfield to Solstice projects together, what is the total estimated cost of the upgrades to AEP's Solstice substation?

**Response No. 2-4:**

The total estimated cost to add the new 345-kV Solstice station yard and the associated equipment to terminate the four 345-kV circuits, add the two 50 Mvar reactors, and connect to the existing 138-kV station yard, as generally described in the response to Staff 2-2, is \$48,568,000, which is the sum of the amounts included for the Solstice substation in the LCRA TSC/AEP Texas Bakersfield to Solstice and Oncor/AEP Texas Sand Lake to Solstice project applications.

Prepared By: Randal E Roper  
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